Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/20/2018 11:45 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124263	-1	2.95	124342	2.92
Blue	F	SSC	125000	123350	-2	1.83	124015	1.86
Blue	E	FITC	15760	15376	-3	2.99	334	23.15
Blue	D	PE	25880	25246	-3	2.08	549	17.53
Blue	B	PerCP-Cy5-5	34075	33868	-1	4.38	1033	23.49
Blue	A	PE-Cy7	22776	23009	1	7.51	551	47.02
Red	C	APC	42488	41494	-3	2.93	1562	13.70
Red	A	APC-Cy7	24478	24071	-2	3.09	828	13.46
Violet	B	V450	6304	6143	-3	4.20	343	18.32
Violet	A	V500	26005	24532	-6	3.83	575	14.01

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20623	13.03	610	13	N/A	N/A	Pass
Blue	F	SSC	55828	1.27	581	26	N/A	N/A	Pass
Blue	E	FITC	59	77.66	564	8	0.0150	246	Pass
Blue	D	PE	114	60.40	558	9	0.1159	295	Pass
Blue	B	PerCP-Cy5-5	196	57.60	663	16	0.0069	85	Pass
Blue	A	PE-Cy7	103	119.83	717	20	0.0085	26	Pass
Red	C	APC	365	29.07	605	5	0.0189	134	Pass
Red	A	APC-Cy7	200	30.00	576	5	0.0044	1043	Pass
Violet	B	V450	53	90.60	497	8	0.0289	3057	Pass
Violet	A	V500	85	47.72	512	6	0.0111	934	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.44	-30.85	0.99
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.41
Red	15.38	13.60 - 20.40	N/A	N/A	30.56	31.24	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11547

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments